



## FORESTRY AND NATURAL RESOURCE MANAGEMENT 2024

### Teacher Contact Information

Teacher Name: Katie Alling  
School Site: Nevada Union High School F1  
Contact Information: [kalling@njuhsd.com](mailto:kalling@njuhsd.com)



Welcome! I am so excited about our class this year. Sharing knowledge about Natural Resources and Forestry is rewarding to me. I grew up in Nevada County and have been blessed to teach at Nevada Union since 2002. I live in Nevada City, but have a ranch on the San Juan Ridge and Lassen County. We raise cattle, goats, chickens, mules and dogs. My family spends our time in the woods; we camp, hunt, fish, hike- but my favorite activity is equine riding. I look forward to getting to know each of you as the semester progresses! GO MINERS!

### Course Description

An introduction to natural resources and their allocation within our community, nation and planet. Topics addressed include: resource availability, forests, water, soil, air, petroleum, plants, wildlife, California's agriculture as well as FFA. Throughout the course, students will gain experience through leadership development, Supervised Agriculture Experience (SAE) projects and career exploration in the area of agriculture and natural resources.

### Essential Learning Outcomes (ELOs)

At the end of this course, students can :

- Give examples of natural resources and categorize resources as biotic or abiotic.
- Can give three examples of natural resources that are important to the economy of California
- Identify an illustration as either a food web or a food chain.
- State the inputs and outputs for photosynthesis.
- Explain the role of the major components of an ecosystem.
- Define: conservation, preservation and environmental apathy.
- Give an example of a federal agency who manages land for preservation and one for conservation.
- Explain that the increasing population of the Earth requires careful management and distribution of resources to be sustainable.
- Use a population graph to project the Earth's population at a given time in the future.
- Use a dichotomous key to identify a plant.
- Identify The Plant Life Zones of the Sierra Nevada
- Outline the steps for using a cruisers stick, clinometer and tape to get timber measurements.
- Evaluate a site as fire ready or needs improvement.
- Identify a tree as healthy or not healthy and identify the forest enemy impacting the tree health
- Describe ecological succession
- Identify ten map symbols
- Illustrate the rainshadow effect
- Create an appropriate resume, cover letter and answer interview questions

### Participation/ Classroom Expectations & Devices

Success in forestry relies on active participation from students.  
Students are also expected to respond to daily warm up questions during their assigned class period.  
Students will be expected to be present and engaged in all lessons. We will follow the school's device policy with all phones kept in the phone caddy during class time (bell to bell) and students need to take care of outside needs on their passing time. Students will have a limited number of opportunities to use a hall pass and will be required to do make up time if they go over (barring a doctor's excuse).

**Grading Policy:**

<b>PARTICIPATION</b>	<b>20%</b>
<b>ASSESSMENTS (TESTS/QUIZZES)</b>	<b>20%</b>
<b>ASSIGNMENTS/PROJECTS</b>	<b>40%</b>
<b>SAE. SEMESTER FINAL</b>	<b>10%</b>
<b>FFA ACTIVITIES</b>	<b>10%</b>

**Category Descriptions:**

**Assignments/Projects-** This is the bulk of your grade for this class due to the importance of completing assignments and projects that will cement the required skills to be successful in Forestry. This portion of your grade will include all weekly assignments and any labs/projects assigned throughout the school year. A portion of the labs will be skill based and you will be graded on the mastery of the skills required to complete the activity. Please reach out if you find yourself struggling.

**Assessments-** This category includes formative and summative assessments such as quizzes, tests, skill based assessments and semester finals.

**Participation-** This portion of your grade will be based on your participation level in classes, discussion threads and other collaborative assignments and events such as group discussion, being prepared for presentations as well as completion of the warm up assignments.

**FFA Activities-** The FFA is an integral part of every agricultural class. FFA participation will count for 10% of your class grade. There is a requirement of 3 FFA Activities and a minimum of one hour of community service per semester. Activities will include events such as monthly FFA meetings/activities, participating in fundraisers, community service opportunities and leadership development events. An SAE project and all related record keeping will be required during both semesters of all agriculture courses.

**Integrity:**

School Board policy BP 5131.9 states "The Board of Trustees believes that academic honesty and personal integrity are fundamental components of a student's education and character development. The Board expects that students will not cheat, lie, plagiarize or commit other acts of academic dishonesty." Plagiarism is defined as an act of copying the ideas or words of another person without giving credit to that person. Turning in any work that is not your original work can be punishable with a referral and a zero on the assignment. I expect every student to complete his or her own assignments. If a student copies the work of another student both students will receive a zero. If a student turns in work written by anyone else but himself or herself they will receive a zero and a referral.

**Cheating WILL NOT BE TOLERATED. Any student found cheating will be given a zero for the assignment and will be issued a referral.**

**Student Absences**

All work can be found on Schoology. There will be weekly updates, links to videos, websites, and resources as well as a list of assignments. Schoology will be the place where you will be able to find everything that we are doing in class. It is your responsibility to complete any and all work that was assigned during your absence.

**Late Work Policy**

Students are expected to keep up with deadlines. Late work is accepted up to two weeks after the due date with a penalty as long as it does not become a habitual problem. Work will not be accepted after the end of a grading period (barring extreme circumstances).

Student Signature and Date \_\_\_\_\_

Parent/Guardian Signature and Date \_\_\_\_\_